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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/728,191	12/04/2003	Jitendra Mohan	P05747 (NATI15-05747)	7313

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EXAMINER	
DANG, KHANH	

ART UNIT	PAPER NUMBER
2111	

DATE MAILED: 11/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/728,191	MOHAN, JITENDRA	
	Examiner	Art Unit	
	Khanh Dang	2111	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-20* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-14 and 16-20* is/are rejected.

7)☒ Claim(s) *15* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "secondary windings" of the transformer must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Figures 3A ands 3B should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected

drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

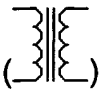
The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-14 and 16-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Sultenfuss.

As broadly drafted, these claims do not define any structure/step that differs from Sultenfuss et al. (Sultenfuss, 2005/0097218).

With regard to claim 1, Sultenfuss discloses a network connection system comprising: a physical layer integrated circuit processing network data transmissions (the 10/100/1000 BASE-T PHY 92 is a physical layer integrated circuit processing network

data transmissions); a transformer connected to the physical layer chip (primary coil 178 and secondary coil 180, Fig. 3, both having a common core, define a transformer (), which consists of two coils of wire, wound on a core and electrically insulated from one another and arranged so that a change in the current in one coil (the primary) will produce a change in voltage in the other (the secondary)); a network transmission medium interface (communication port 96/102 for Ethernet network 60) directly connected to secondary windings (180) of the transformer; and a first portion of a docking connector (it is clear that the port replicator connector 100 formed by two portions to form a connection between 90 and 98) also directly connected to the secondary windings (180).

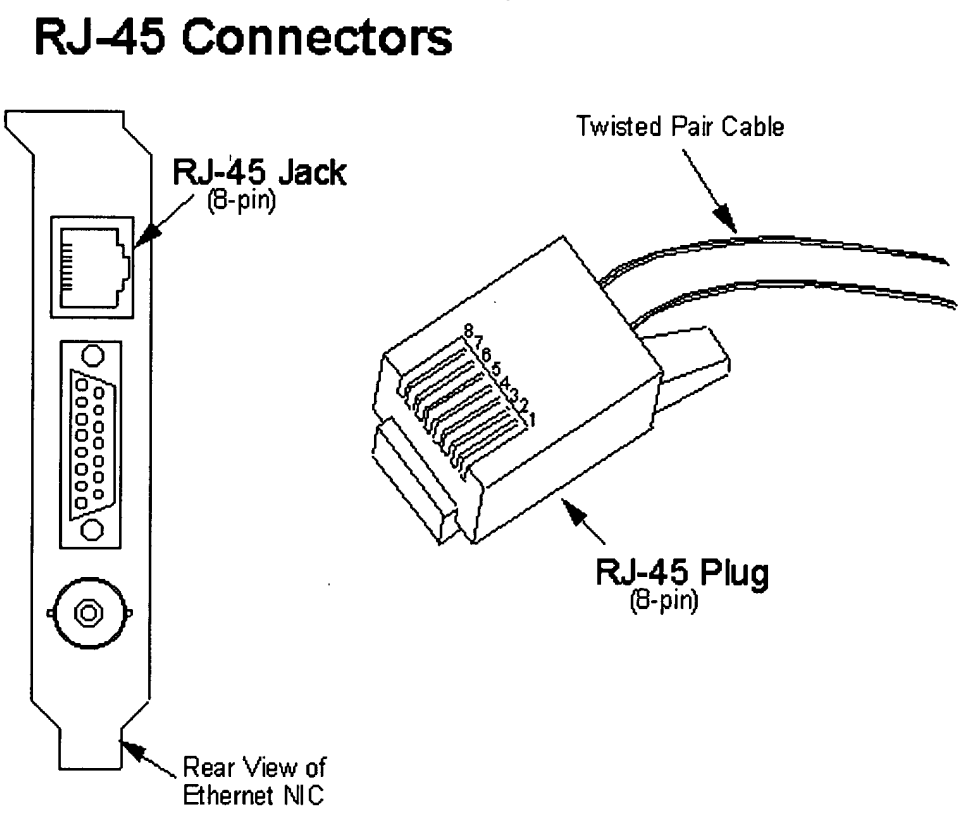
With regard to claim 2, it is clear that the first portion of the docking connector (100) is connected to signal traces between the transformer and the network transmission medium interface (communication port 96/102 for Ethernet network 60).

With regard to claim 3, it is clear that the physical layer integrated circuit (the 10/100/1000 BASE-T PHY 92) selectively provides one or more of a 10/100/1000BT connection to an Ethernet network.

With regard to claim 4, it is clear that the network transmission medium interface is a first network transmission medium interface (one of the interfaces provided by communication port 96/102 for Ethernet network 60, Fig. 3) and wherein a second portion of the docking connector (it is clear that the port replicator connector 100 formed by two portions to form a connection between 90 and 98) is coupled to a second

network transmission medium interface (the other one of the interfaces provided by communication port 96/102 for Ethernet network 60, Fig. 3).

With regard to claim 5, it is clear that in Sultenfuss, the first and second network transmission medium interfaces are RJ-45 connectors, since in Ethernet, connections are made using twisted pair CAT-5 cable and RJ-45 connectors.



With regard to claim 6, it is clear that the first network transmission medium interface and the first portion of the docking connector are disposed within a mobile computer (the use port replicator/docking station in Sultenfuss's portable notebook

computer clearly indicates that the notebook computing device is a mobile computer) and the second network transmission medium interface (the other one of the interfaces provided by communication port 96/102 for Ethernet network 60, Fig. 3) and the second portion of the docking connector (it is clear that the port replicator connector 100 formed by two portions to form a connection between 90 and 98) are disposed within a docking station selectively receiving the mobile computer.

With regard to claim 7, it is clear that the mobile computer system of Sultenfuss further comprises a processor (see at least Fig. 1) within the mobile computer coupled by one or more interface devices (see at least Fig. 1) to the physical layer integrated circuit (the 10/100/1000 BASE-T PHY 92); and connections within the docking station for one or more peripherals including a monitor, a keyboard or a mouse (it is clearly inherent that docking station/port replicator is for I/O devices such as monitor, mouse, keyboard etc.).

With regard to claim 8, it is clear that the mobile computer system of Sultenfuss further comprises a processor (see at least Fig. 1) within the mobile computer coupled by one or more interface devices (see at least Fig. 1) to the physical layer integrated circuit (the 10/100/1000 BASE-T PHY 92).

With regard to claims 9-14, see discussion above regarding to claims 1-8.

With regard to claims 16, and 18-20, see discussion above regarding claims 1-8.

With regard to claim 17, as acknowledged by the originally filed specification, page 11, lines 10-20, impedance compensation is required to meet the IEEE

specifications for RJ-45. In any event, it is clear that communication port 102 for RJ-45 is provided with impedance compensation provided by a transformer, see Fig. 2.

Allowable Subject Matter

Claim 15 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

U.S. Patent No. 5,680,397 to Christensen et al., Pericom PI3L301D, Application of the Week, Optimizing Laptop Docking Station Designs Using LAN Switches, Transformerless Ethernet and PCIMG Applications, and LAN Magnetics are cited as relevant art.

Any inquiry concerning this communication should be directed to Khanh Dang at telephone number 571-272-3626.

Khanh Dang
Primary Examiner